

Yuhang Jiang

• <https://www.linkedin.com/in/jiangyuhang>

EDUCATION	The University of North Carolina at Chapel Hill , Chapel Hill, North Carolina, USA Doctor of Philosophy (Ph.D.) in Pharmaceutical Science Aug 2012 – May 2016 <ul style="list-style-type: none">• Thesis: Polymeric Micelle Formulations for Protein Delivery across the Blood Brain Barrier• Adviser: Alexander Kabanov• Research areas: drug delivery, protein formulation, polymeric micelles, blood brain barrier.
	Shanghai Jiao Tong University , Shanghai, China Bachelor of Science (B.S.) in Pharmacy Sep 2006 – Jun 2010 <ul style="list-style-type: none">• Cumulative GPA: 86.1 / 100
EMPLOYMENT	Research Associate , The University of North Carolina at Chapel Hill Sep 2010 – Present Kabanov Lab, Eshelman School of Pharmacy <ul style="list-style-type: none">• Project 1: Therapeutic efficacy evaluation and mechanism study for SOD1 nanozyme formulation in a mouse model of stroke reperfusion injury.• Project 2: Development of a polymeric micelle formulation of SOD1 for the treatment of amyotrophic lateral sclerosis.• Project 3: Formulation, characterization and NeuroPK evaluation for brain derived neurotrophic factor delivery across the blood brain barrier.• Supervisor: Professor Alexander Kabanov
ACADEMIC HONORS & AWARDS	BioMACROMOLECULES Outstanding Poster Award Sep 2015 13 th International Nanomedicine & Drug Delivery Symposium Awarded to top 4 poster presenters out of 115.
	Graduate Student Transportation Grant Sep 2015 Graduate School, The University of North Carolina at Chapel Hill
	Student Travel Award Jun 2015 Department of Molecular Pharmaceutics, The University of North Carolina at Chapel Hill
	Graduate Tuition Incentive Scholarship 2013&2014 Graduate School, The University of North Carolina at Chapel Hill
	SJTU Scholarship for Studying Abroad 2009 Office of Academic Affairs, SJTU Awarded to 16 out of more than 20,000 undergraduate students.
	National Scholarship, highest level of scholarship in China for undergraduate students 2008 Chinese Ministry of Education Awarded to top 0.2% undergraduate students in China.
	National Endeavor Fellowship 2007 Chinese Ministry of Education Awarded to top 3% undergraduate students in China.
	Excellent Academic Scholarship 2007&2008&2009 Office of Academic Affairs, SJTU Awarded to 10% students.
OTHER HONORS & AWARDS	Junior Achievement global business challenge, Shanghai, Second Prize Dec 2009 <i>BaiYan</i> poem competition, Winner Prize, SJTU Nov 2008 Excellent Squad-leader in the military training, SJTU Aug 2007
PROFESSIONAL AFFILIATIONS & ACTIVITIES	American Association of Pharmaceutical Scientists , Arlington, Virginia, USA 2012 – Present Member American Association for the Advancement of Science , Washington, DC, USA 2013 – Present Member

CAMPUS	UNC Chinese Volleyball Team, Spiker	2012 – Present
ACTIVITIES	SJTU Student Activity Center, Bowling Coach	2007 – 2009
	Jing-an Department of Education Affiliated Primary School, Volunteer Teacher	2008
	<i>Pharmacy Weekly</i> , School of Pharmacy, SJTU, Editor-in-Chief	2007 – 2008
	SJTU Dataspan Research Union, Co-founder & Vice President	2007 – 2008

PUBLICATIONS **JOURNAL ARTICLES**

- 5) **Jiang Y**, Brynskikh AM, S-Manickam D, and Kabanov AV, “SOD1 nanozyme salvages ischemic brain by locally protecting cerebral vasculature” *Journal of Controlled Release*, vol. 213, pp. 36–44, Jun 2015.
- 4) **Jiang Y**, Arounleut P, Rheiner S, Bae Y, Kabanov AV, Milligan C, and S-Manickam, D, “SOD1 nanozyme with reduced toxicity and MPS accumulation” Under review in *Journal of Controlled Release*
- 3) **Jiang Y**, Xiang Y, Poon C, Fay J, S-Manickam D, Zhao Y, Banks WA, and Kabanov AV, “Polymeric micelle formulation of Brain Derived Neurotrophic Factor increases its brain influx rate” Manuscript in preparation.
- 2) Ren J, **Jiang Y**, Xiao X, and Fei W, “PLGA Microspheres Prepared via Aqueous-aqueous Emulsification for Pulsed Drug Delivery” *Progress in Modern Biomedicine*, issue. 24, pp. 4759–4761, Sep 2009.
- 1) Harris NM, Mancini N, Ritzel R, **Jiang Y**, S-Manickam D, Kabanov AV, McCullough LD, Verma R, “Pharmacological validation of neuroprotection by a novel BDNF nano-formulation after focal cerebral ischemia in mice” Under review in *Experimental Neurology*

SELECTED CONFERENCES

- 3) **Jiang Y**, Bullock K, S-Manickam D, Poon C, Banks WA, Xiang Y, and Kabanov AV, “Nano-formulation of BDNF: a potential therapy for Rett Syndrome” in *13th International Nanomedicine & Drug Delivery Symposium*, Seattle, Washington, USA, Sep 2015.
- 2) **Jiang Y**, Arounleut P, Rheiner S, Bae Y, Kabanov AV, Milligan C, and S-Manickam D, “Nano-antioxidant therapy for Amyotrophic Lateral Sclerosis” in *Gordon Research Conference: Barriers to the CNS*, New London, New Hampshire, USA Jun 2014.
- 1) **Jiang Y**, Brynskikh AB, S-Manickam D, Boska MD, Bronich TK, and Kabanov AV, “SOD1 nanozyme co-localize with post-stroke thrombi in 1h rat MCAO model” in *11th International Nanomedicine & Drug Delivery Symposium*, San Diego, California, USA Oct 2013.

SKILLS	SDS-PAGE, western blot, ELISA, HPLC&FPLC, protein thermal shift (PTS) assay, protein purification, protein conjugation chemistry (Chemically modifying proteins at thiol/amine/carboxylate groups), Dynamic Light Scattering (DLS), Multi-Angle Light Scattering (MALS), Spectrum Plasmon Resonance (SPR), Nanoparticle Tracking Analysis (NTA), Isothermal Titration Calorimetry (ITC), Inductively Coupled Plasma Mass Spectrometry (ICP-MS), Transmission Electron Microscopy (TEM), Atomic Force Microscopy (AFM), Confocal Microscopy, Light Microscopy, intravenous&intranasal PK and biodistribution study, Middle Cerebral Artery Occlusion (MCAO) surgery on mouse and rat, Iodine labelling and protein Neuropharmacokinetics study, ImageJ, Pymol, Graphpad Prism, R, Adobe Photoshop, Adobe Illustrator, Microsoft Office.
---------------	--

LANGUAGES	English: Fluent. Chinese: Native language.
------------------	---

INTERESTS	Volleyball, Running, Bowling.
------------------	-------------------------------